

Xiurui Zhao

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Research Interests

Active Galactic Nuclei in Multi-wavelength, Supermassive Black Holes

Appointments & Fellowships

Center for Astrophysics Harvard & Smithsonian, Cambridge, U.S. Post-Doctoral Research Fellow, advisor: Dr. Francesca Civano	2021-present
Center for Astrophysics Harvard & Smithsonian, Cambridge, U.S. Pre-Doctoral Fellow, advisor: Dr. Francesca Civano	2020-2021

Education

Clemson University, Clemson, U.S. Ph.D. in Astrophysics, advisor: Dr. Marco Ajello Dissertation: <i>Heavily Obscured Active Galactic Nuclei in NuSTAR Era</i>	2016-2021
Lanzhou University, Lanzhou, China B.Sc. in Physics, Cuiying Honors College	2012-2016

Honors and Awards

Clemson University Outstanding Graduate Researcher Award (2 winners each year)	2021
Clemson Science College Outstanding Graduate in Discovery Award	2021
Clemson Physics Department Graduate Research Assistant Award	2021
SAO Predoctoral Fellowship	2020-2021
Clemson Graduate Student Travel Grant	2019, 2021
Cuiying Honors College Abroad Study Fellowship	2014, 2015

Accepted Scientific Proposals

15 accepted X-ray/optical/mm proposals with \$240k grant as **PI**:

X-ray

<i>Swift</i> -XRT GI (18 ks)	2023
<i>Swift</i> -XRT (ToO, 3 ks)	2022
<i>NuSTAR</i> GI Program (Large , 600 ks <i>NuSTAR</i> + 195 ks XMM, \$150k)	2022
<i>NuSTAR</i> GI Program (100 ks <i>NuSTAR</i> + 60 ks XMM, \$90k)	2021

Optical

MMT 6.5m Hectospec (0.3 night, 150 sources)	2023A
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MMT 6.5m Binospec (0.4+0.1 night)	2023A
SAO FLWO 1.5m FAST (0.2 night)	2023A
SAO FLWO 1.2m Keplercam (1 night)	2023A
MMT 6.5m Hectospec (0.3 night, 135 sources)	2022B
MMT 6.5m Binospec (0.1 night)	2022B
SAO FLWO 1.2m Keplercam (1 night)	2022B
MMT 6.5m Binospec (0.1 DDT night)	2022A
SAO FLWO 1.2m Keplercam (2 nights)	2022A

Sub-mm

Submillimeter Array (SMA) standard science observation (3 tracks)	2022B
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Professional Experience

Co-organizers of CfA High Energy Astrophysics Division Seminar	2021-present
Member of <i>JWST</i> PEARLS Working Group	2022-present
Member of <i>HEX-P</i> Black Hole Growth Working Group	2022-present
Member of <i>AXIS</i> AGN/TDA Science Working Group	2022-present
Member of <i>NuSTAR</i> Extragalactic Survey Team	2020-present
Member of <i>Athena</i> Science Working Group	2020-present
Panelist for <i>NASA NuSTAR</i> Proposal Review	2022
Reviewer for CFHT	2022
Reviewer for ApJ, A&A	2020-present

Invited Talks

Yale University, Galaxy Lunch Talk	Apr 2023
MIT, Brown Bag Lunch Talk	Apr 2023
NASA GSFC X-ray Astrophysics Laboratory AGN Seminar (Virtual)	Feb 2023
Center for Astrophysics Harvard & Smithsonian, High Energy Seminar	Feb 2023
Arizona State University, Cosmology Seminar	Dec 2022
University of Arizona, Steward Observatory / NOIRLab Galaxy group meeting	Dec 2022
MIT, High Energy Astro Group meeting (Virtual)	Apr 2022
Clemson University, Local Group meeting (Short Term Visiting)	Apr 2022
INAF OAS, Bologna, local group meeting (Short Term Visiting)	Sep 2019

Conferences & Contributed Talks

High Energy Astrophysics Division 20th Meeting (<i>Contributed Talk</i>)	Waikōloa, Mar 2023
241st AAS Meeting (<i>Contributed Talk</i>)	Seattle, Jan 2023
<i>NuSTAR</i> 2022 Conference (<i>Contributed Talk</i>)	Italy, June 2022
New England Regional Quasar and AGN Meeting (<i>Contributed Talk</i>)	Storrs, May 2022
High Energy Astrophysics Division 19th Meeting (<i>Poster</i>)	Pittsburgh, Mar 2022
Black Hole Across Space and Time (<i>Contributed Talk</i>)	Virtual, Dec 2021

238th AAS Meeting (<i>Dissertation Talk</i>)	Virtual, June 2021
237th AAS Meeting (<i>Contributed Talk</i>)	Virtual, Jan 2021
Supermassive Black Holes Meeting (<i>Contributed Talk</i>)	Virtual, Dec 2020
235th AAS Meeting (<i>Contributed Talk</i>)	Honolulu, Jan 2020
X-ray Astronomy 2019 Meeting (<i>Poster</i>)	Bologna, Italy, Sep 2019
High Energy Astrophysics Division 17th Meeting (<i>Poster</i>)	Monterey, Mar 2019
MASC 2019 (<i>Contributed Talk, Local Organizing Committee</i>)	Clemson, Mar 2019
233rd AAS Meeting (<i>Contributed Talk</i>)	Seattle, Jan 2019

Workshops & Schools

End-to-end Simulations with SIXTE Workshop	Virtual, Mar 2022
2022 Submillimeter Array Interferometry School	Virtual, Jan 2022
Winter School at University of Freiburg	Freiburg, Germany, Feb 2015
Summer School at University of California, Berkeley	Berkeley, Jun-July 2014

Assistant and Mentoring Experience

Co-supervision of University of Utah graduate student S. Creech	2022-present
Co-supervision of Clemson graduate student R. Silver	2019-present
Co-supervision of Clemson undergraduate students D. Cole and Z. Hu	2019
Research Assistant (advisor: Dr. Marco Ajello), Clemson	2018-2020
Teaching Assistant (PHYS 2230), Clemson	2016-2017

Press Release

Webb Glimpses Field of Extragalactic PEARLS, Studded With Galactic Diamonds	2022
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References

- **Prof. Marco Ajello**
PhD advisor, Clemson University, majello@g.clemson.edu
- **Dr. Francesca Civano**
Postdoc advisor, NASA Goddard Space Flight Center, francesca.m.civano@nasa.gov
- **Dr. Stefano Marchesi**
PhD co-advisor, INAF OAS, Bologna, stefano.marchesi@inaf.it

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